

FIG. 1A

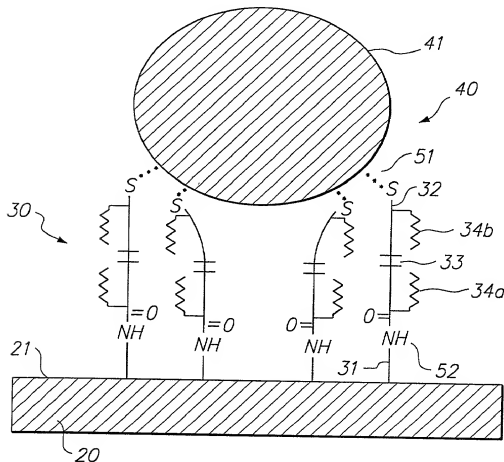


FIG. 1B

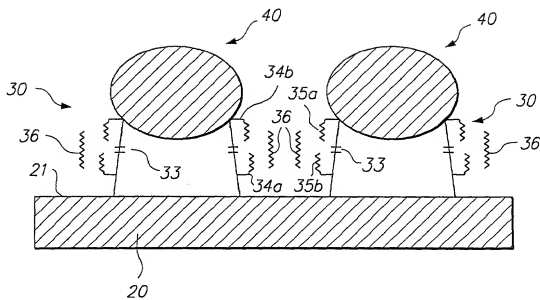


FIG. 2A

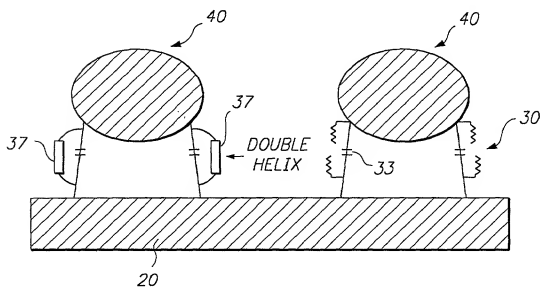


FIG. 2B

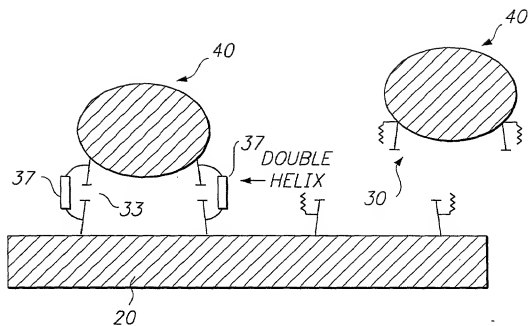


FIG. 2C

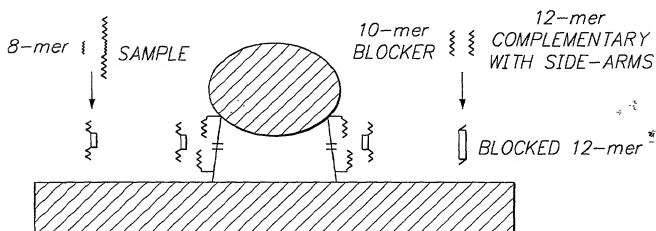


FIG. 2D

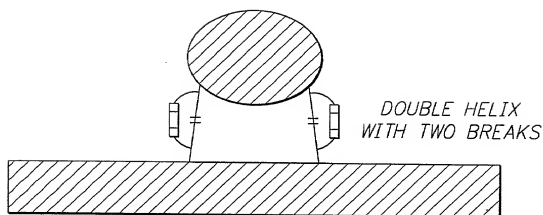


FIG. 2E

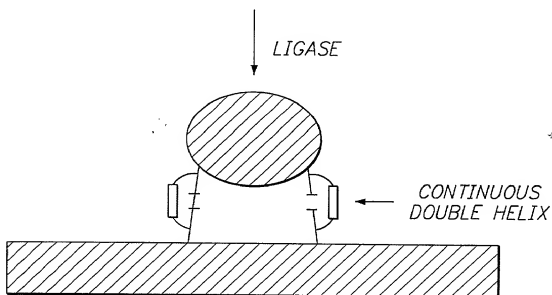


FIG. 2F

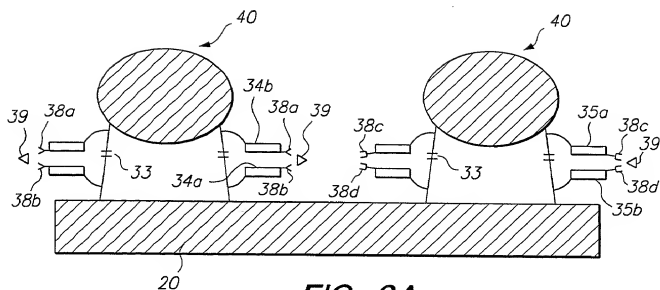


FIG. 3A

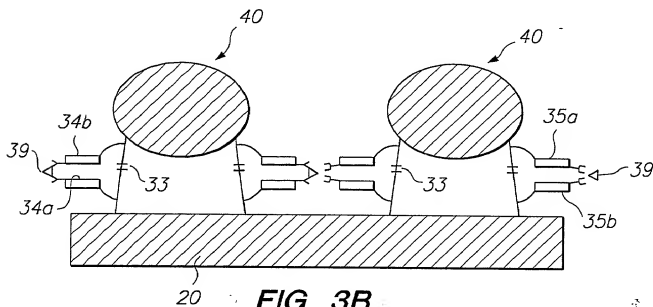


FIG. 3B

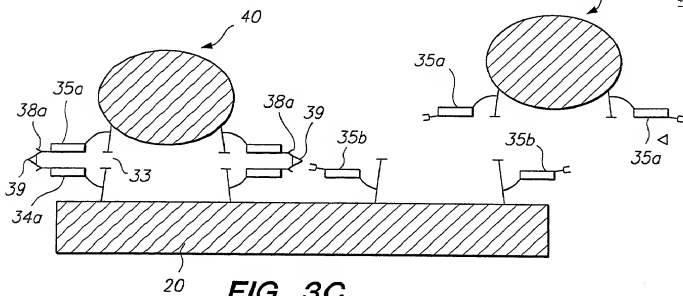


FIG. 3C

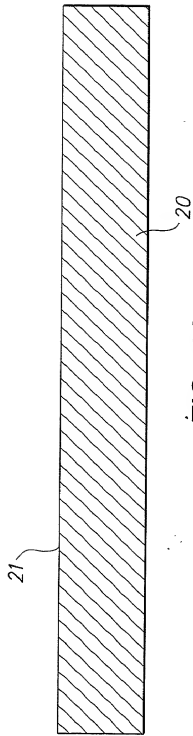


FIG. 4A

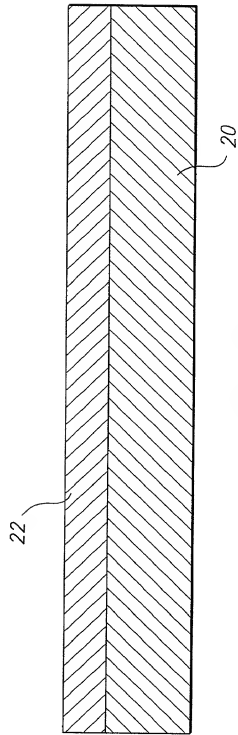


FIG. 4B

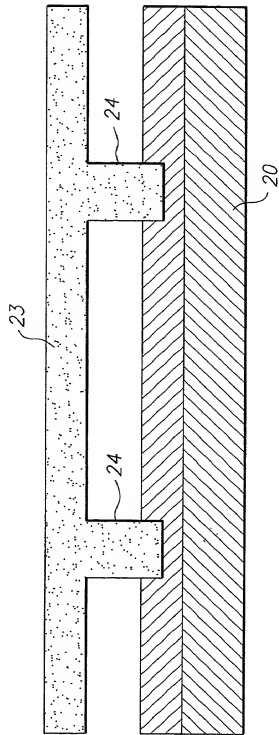


FIG. 4C

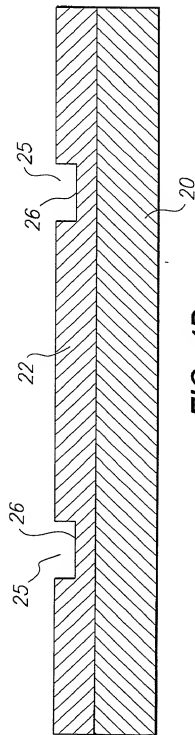


FIG. 4D

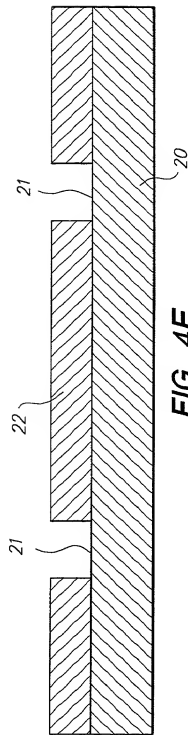


FIG. 4E

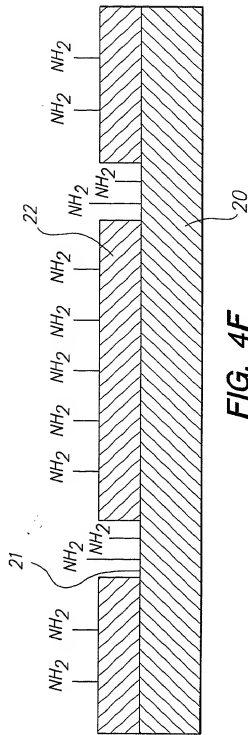


FIG. 4F

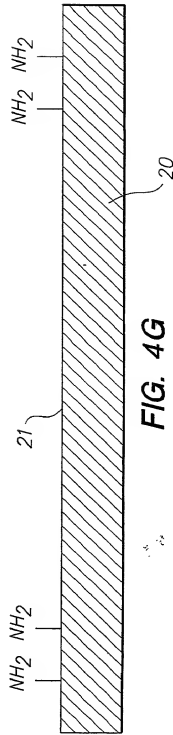


FIG. 4G

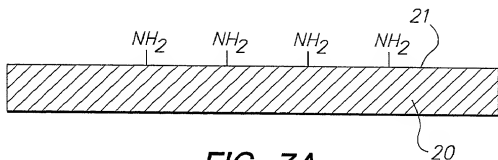


FIG. 7A

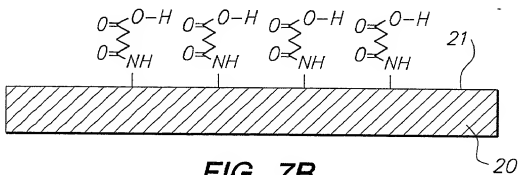


FIG. 7B

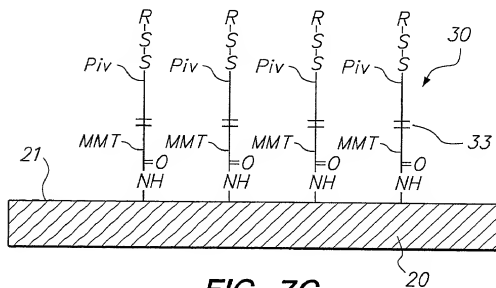


FIG. 7C

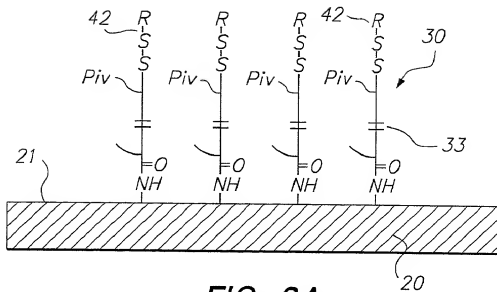


FIG. 8A

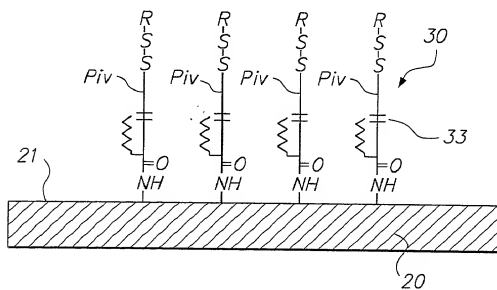


FIG. 8B

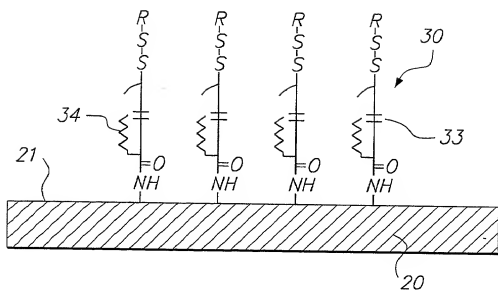


FIG. 9A

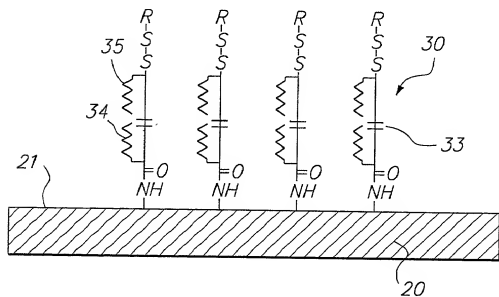
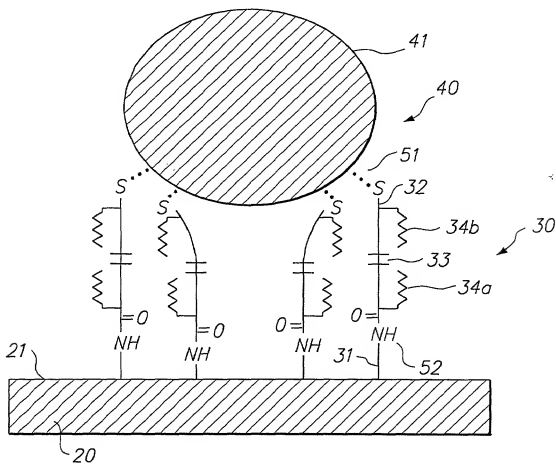
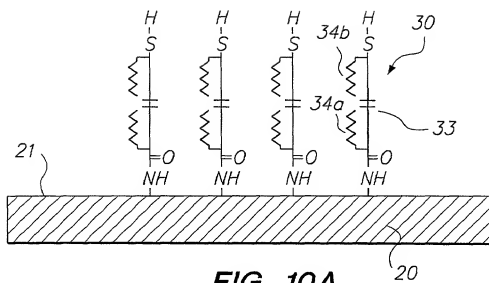


FIG. 9B



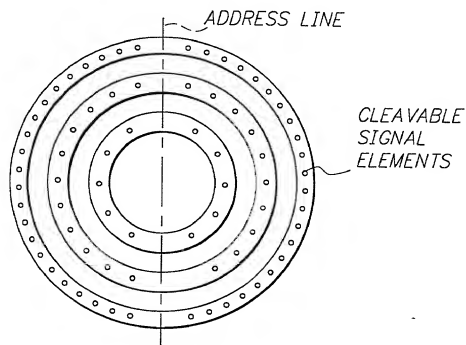


FIG. 11A

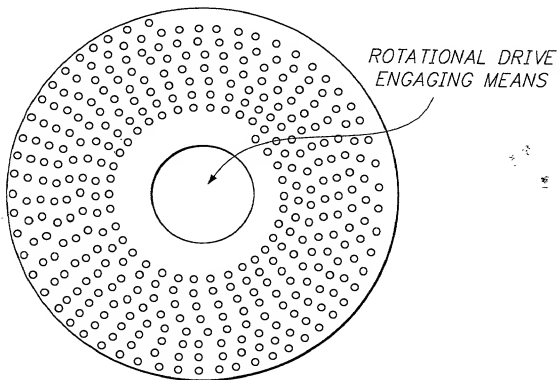


FIG. 11B

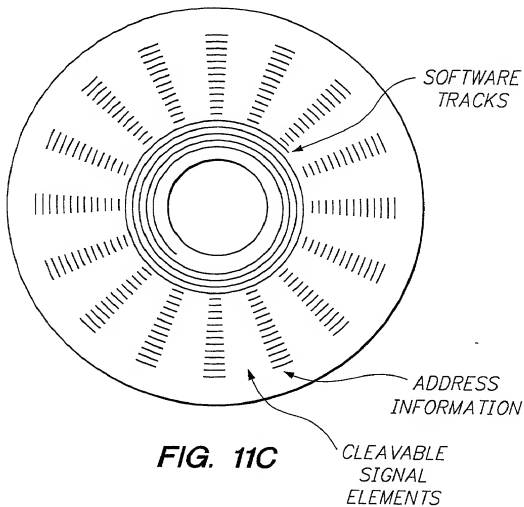


FIG. 11C

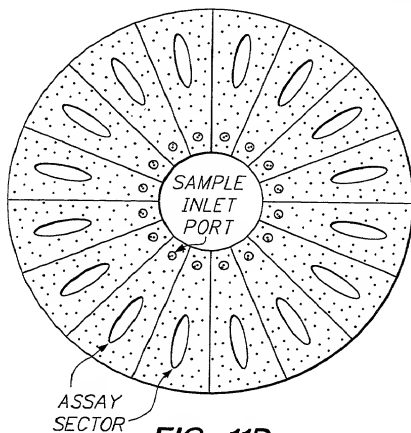


FIG. 11D

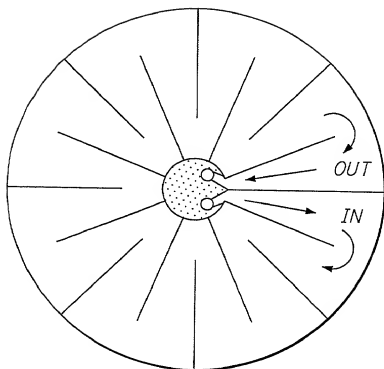


FIG. 11E

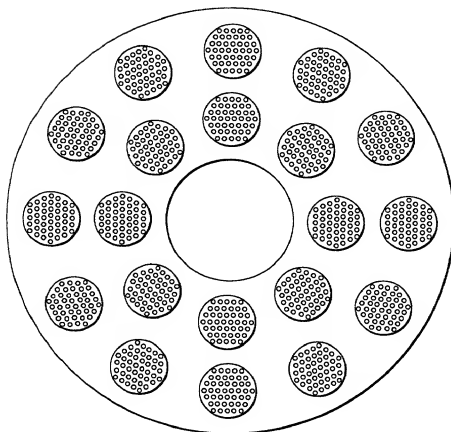


FIG. 11F

Diagram illustrating a ring resonator setup. A central circle is surrounded by concentric rings. The outermost ring is labeled "SPACER MOLECULE" and contains small dots. A "DETECTOR" is positioned at the top, with dashed lines indicating "REFLECTED LIGHT" and "INCIDENT LIGHT". A curved arrow at the bottom indicates "ROTATION".

FIG. 12

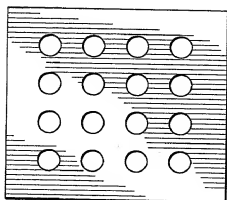


FIG. 13A

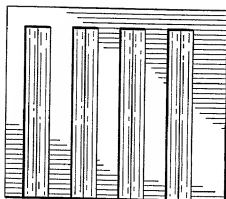


FIG. 13C

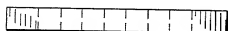


FIG. 13B

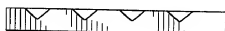


FIG. 13D

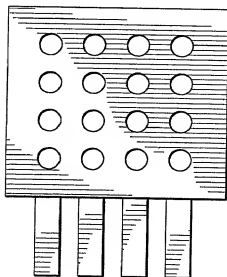


FIG. 13E

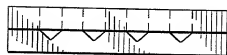


FIG. 13F

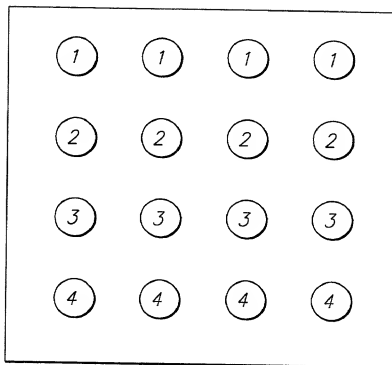


FIG. 14A

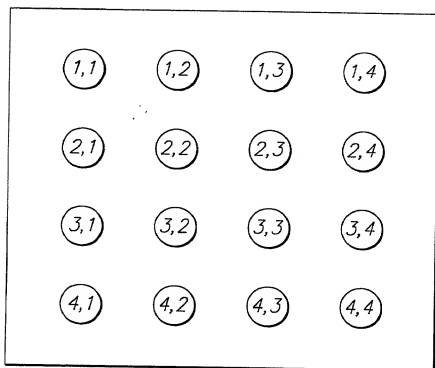


FIG. 14B

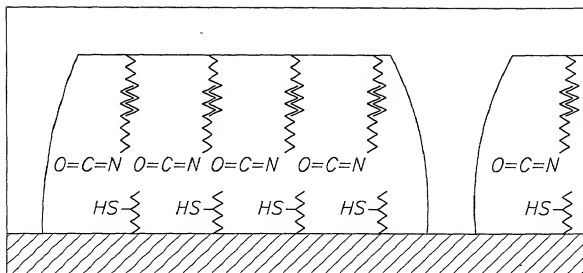


FIG. 15A

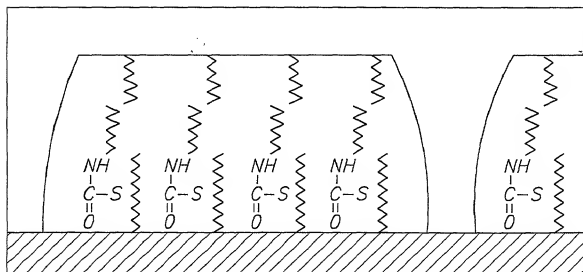


FIG. 15B

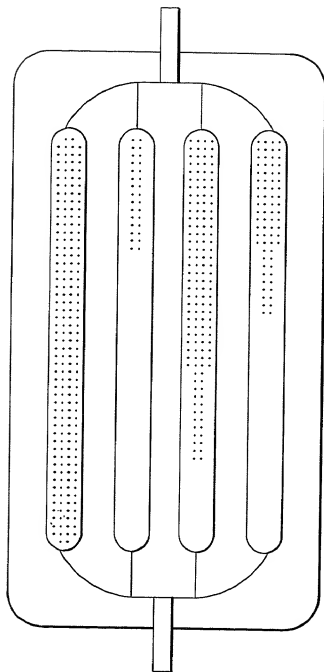


FIG. 16

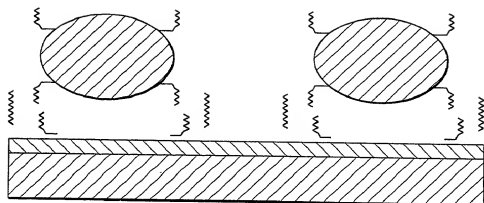


FIG. 17A

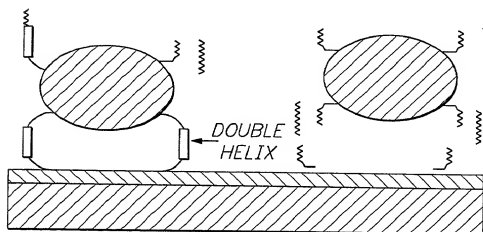


FIG. 17B

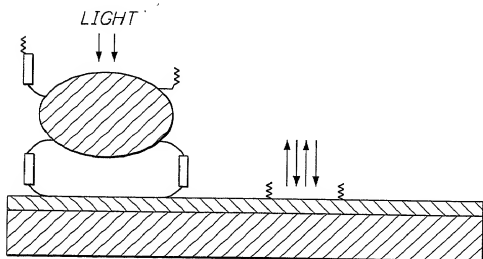


FIG. 17C

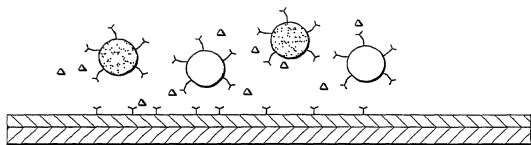


FIG. 18A

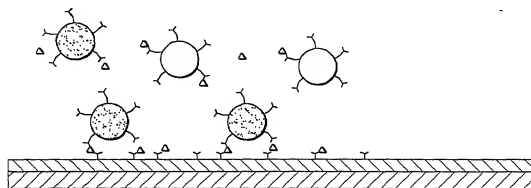


FIG. 18B

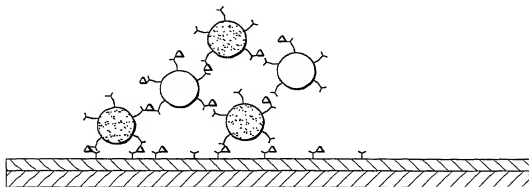


FIG. 18C

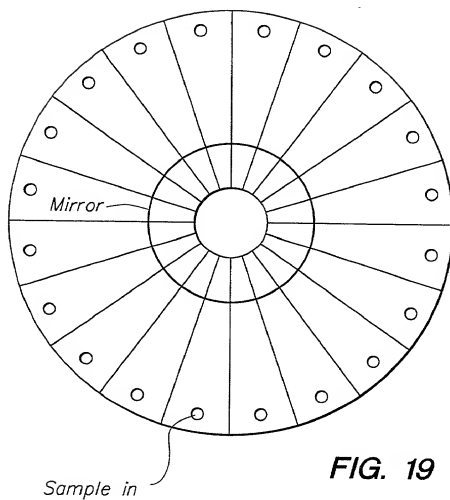


FIG. 19

Topview

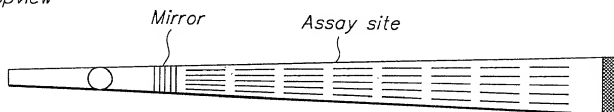


FIG. 20A

Sideview

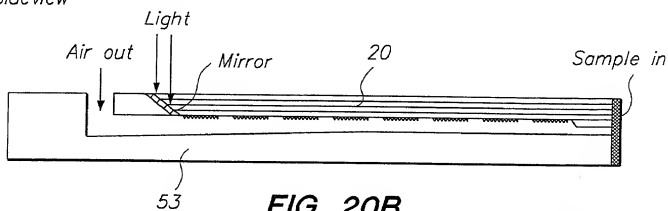


FIG. 20B

FIG. 21D

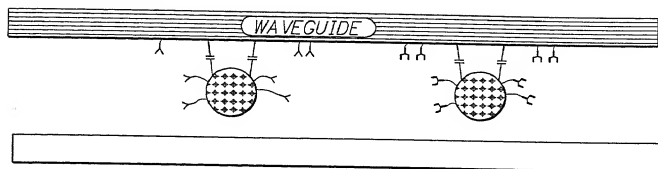


FIG. 21E

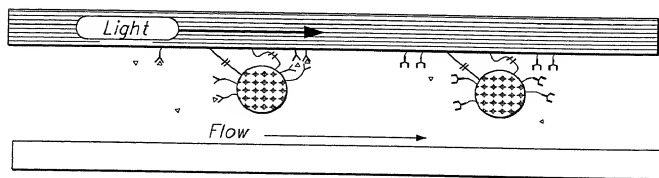


FIG. 21F

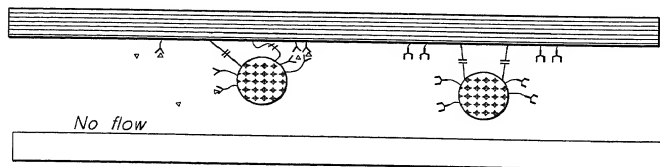


FIG. 22A

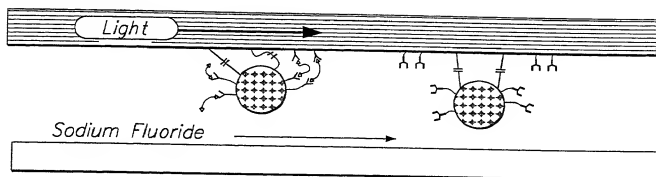


FIG. 22B

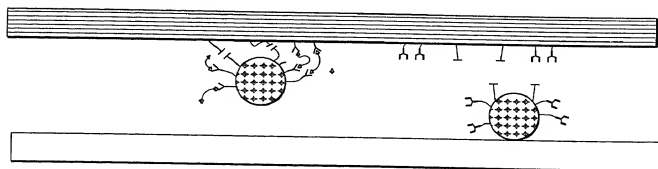


FIG. 22C

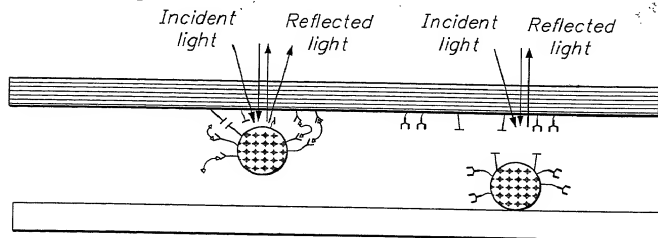


FIG. 23A

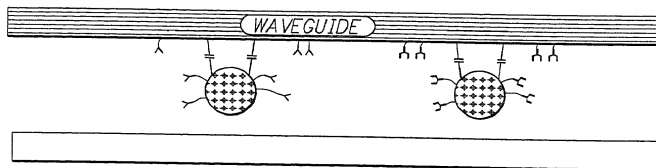


FIG. 23B

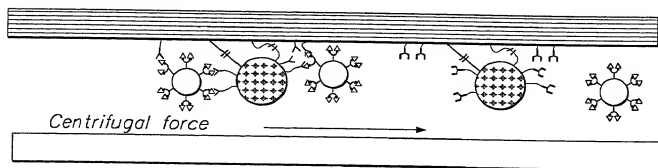
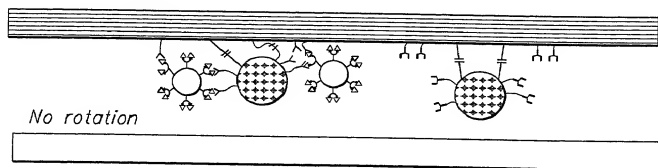


FIG. 23C



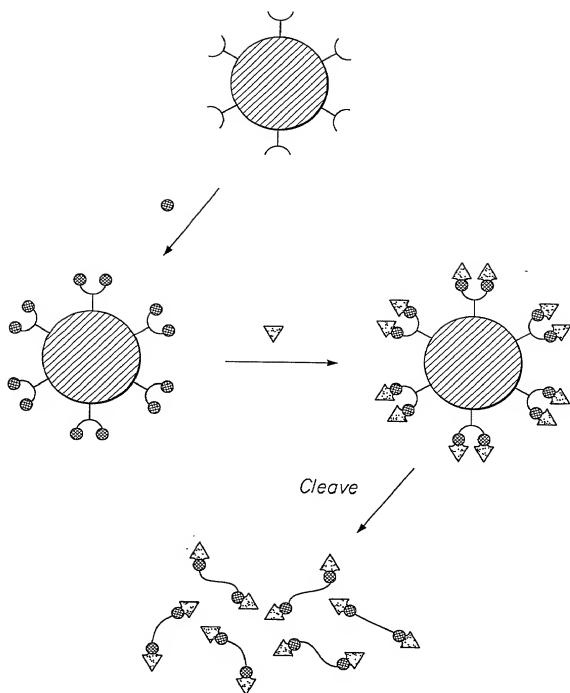
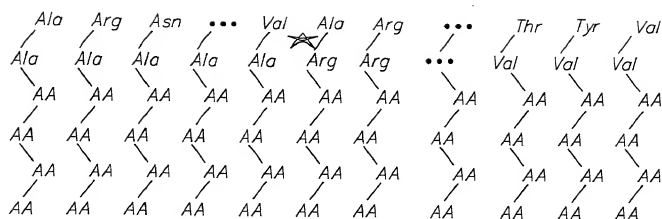
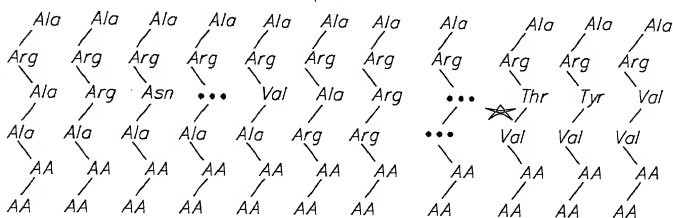


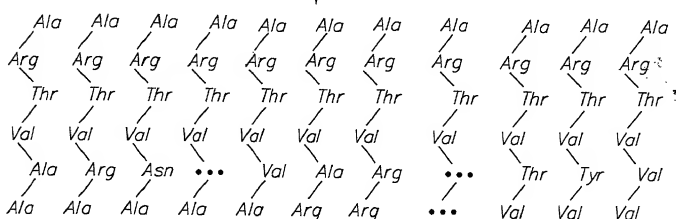
FIG. 24



20^6 peptides



20^4 peptides



400 peptides

FIG. 25

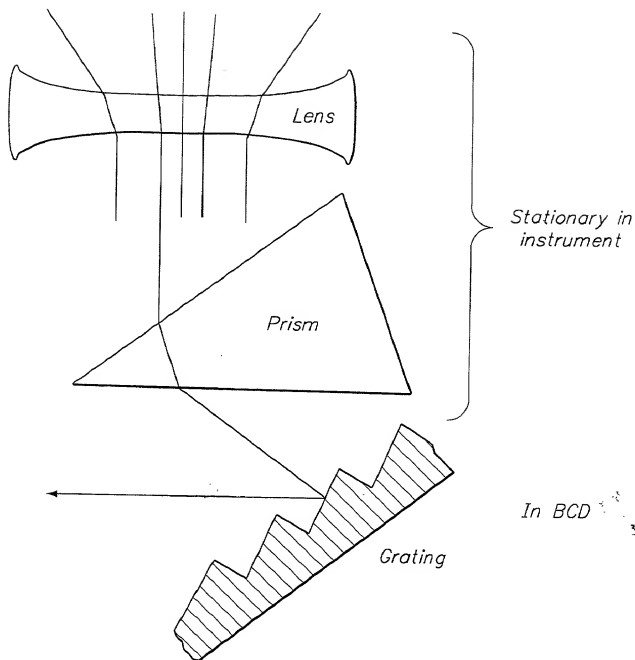


FIG. 26

FIG. 27A

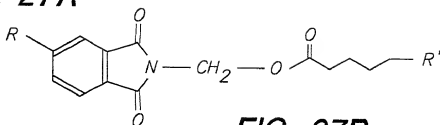


FIG. 27B

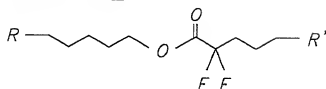


FIG. 27C

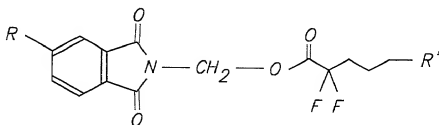


FIG. 28A

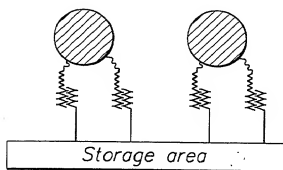


FIG. 28B

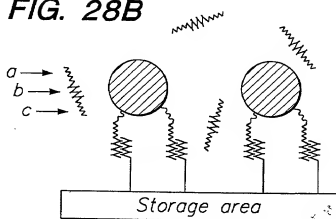
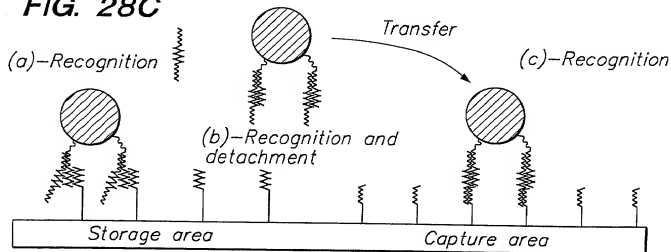


FIG. 28C



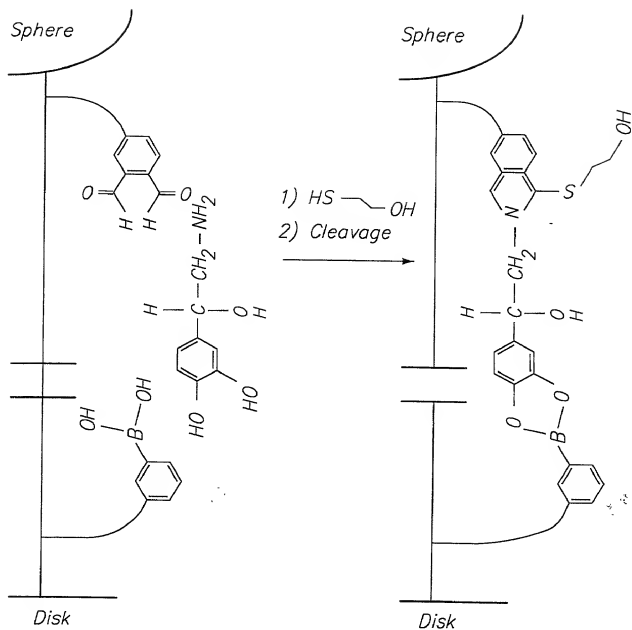


FIG. 29

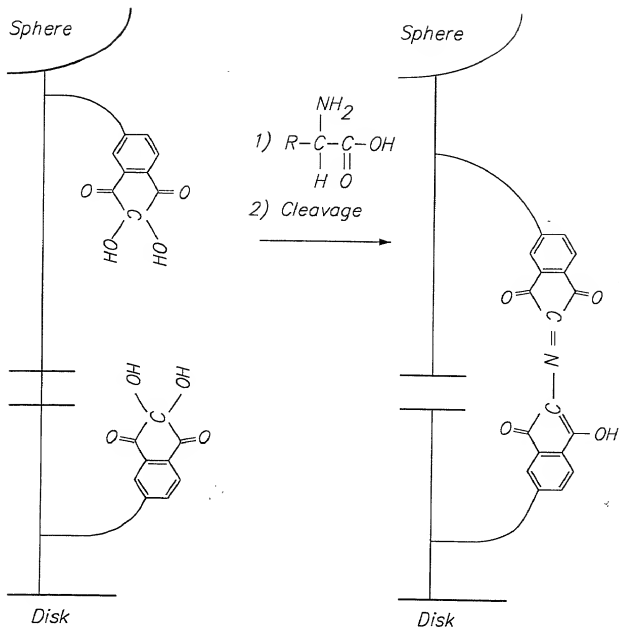


FIG. 30

FIG. 31A

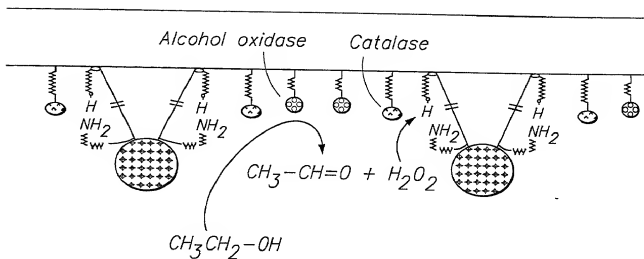


FIG. 31B

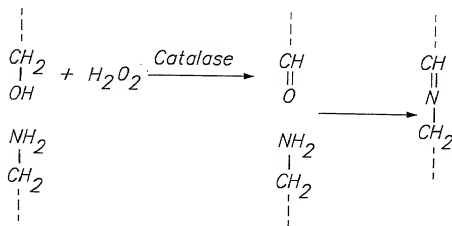


FIG. 32A

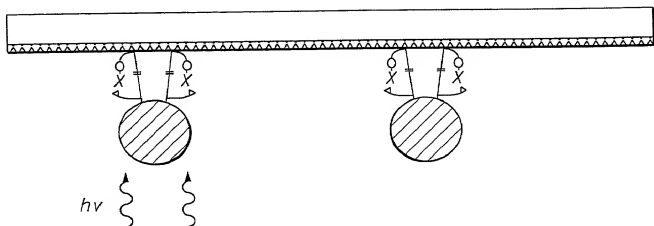


FIG. 32B

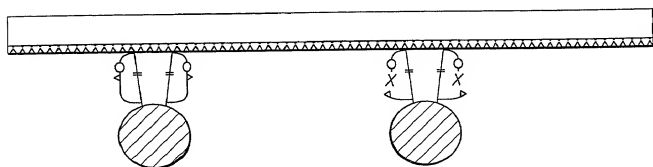


FIG. 32C

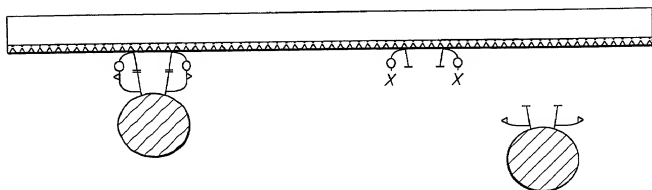


FIG. 33A

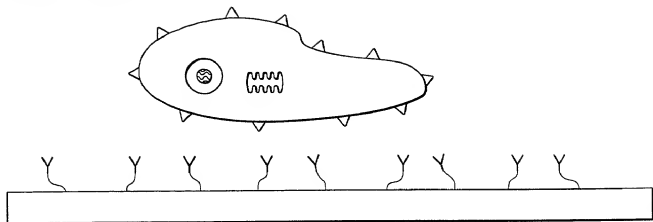


FIG. 33B

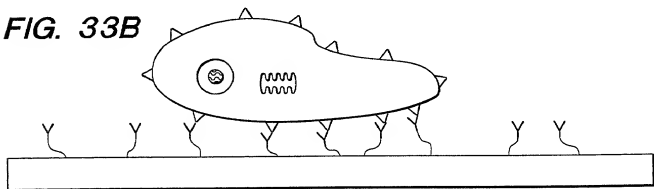


FIG. 33C

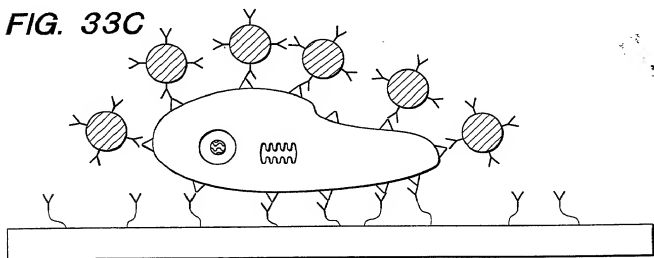


FIG. 34A

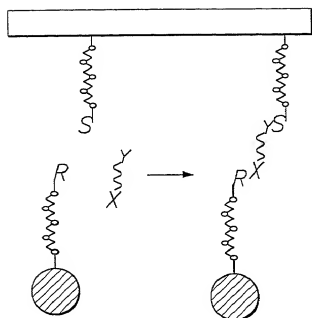


FIG. 34B

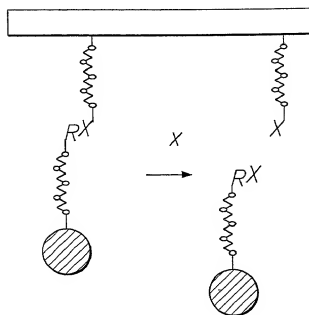


FIG. 34C

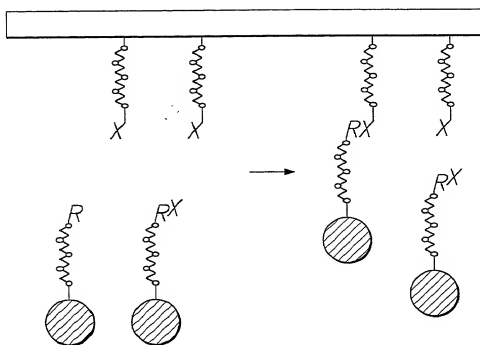


FIG. 35A

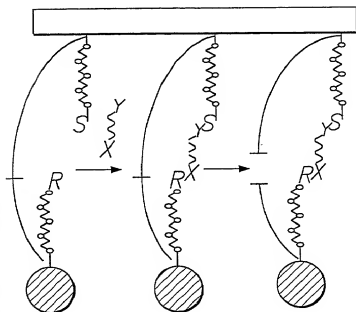


FIG. 35B

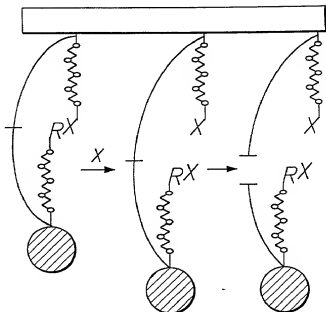
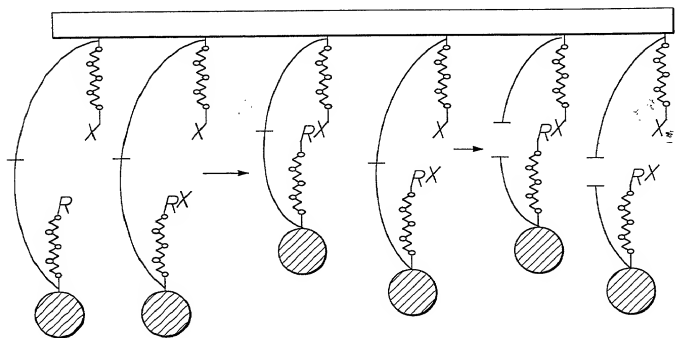
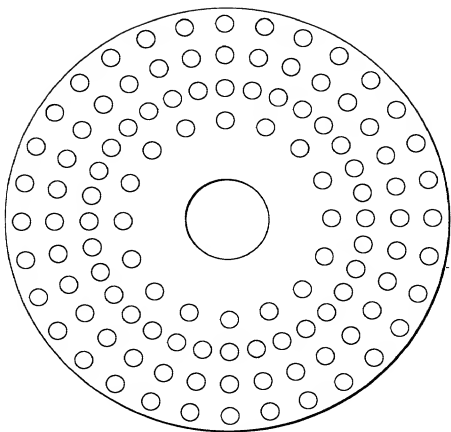


FIG. 35C



Top View



Cross section



FIG. 36



FIG. 37A

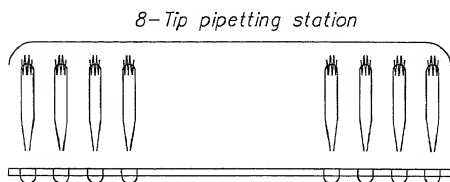


FIG. 37B

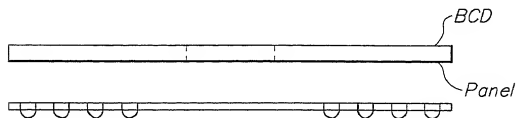


FIG. 37C

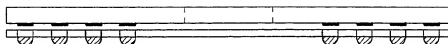


FIG. 37D

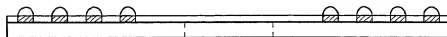
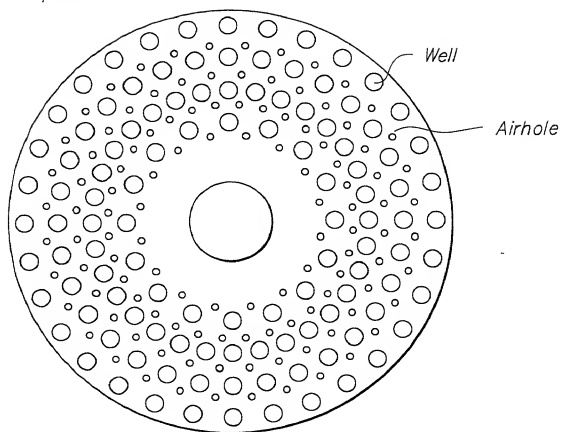


FIG. 37E



FIG. 37F

Top view



Cross section

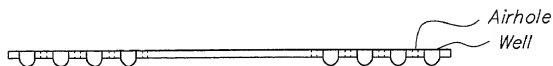
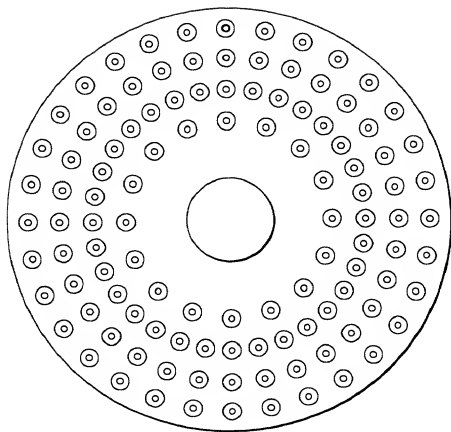


FIG. 38

Top view



Cross section

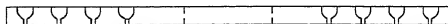
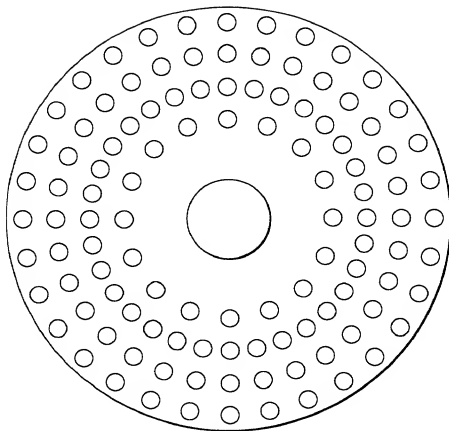


FIG. 39

Top View



Cross section

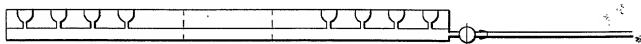
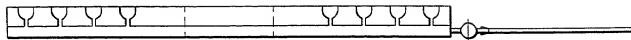


FIG. 40

FIG. 41A

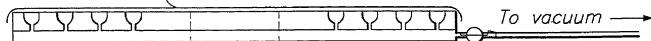
Cross section



To vacuum

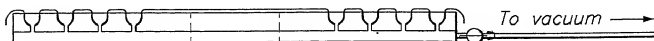
FIG. 41B

Thin plastic film



To vacuum →

FIG. 41C



To vacuum →

FIG. 41D

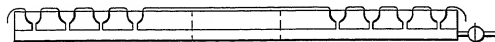


FIG. 41E

8-Tip pipetting station

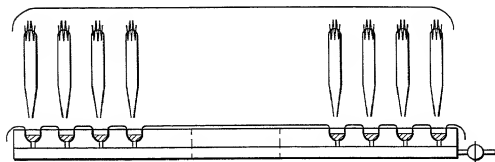


FIG. 41F

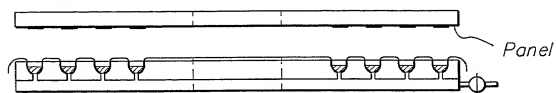


FIG. 41G

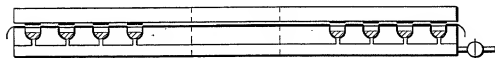


FIG. 41H

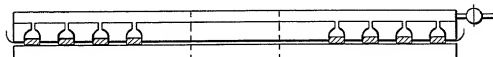


FIG. 41I

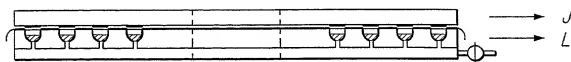


FIG. 41J

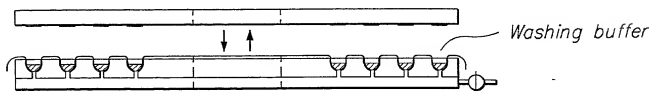


FIG. 41K

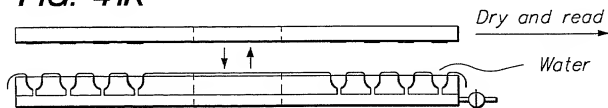


FIG. 41L

Seal and
dispose



Start from A

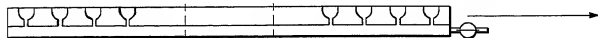


FIG. 42A

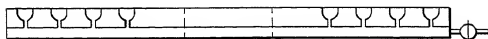


FIG. 42B

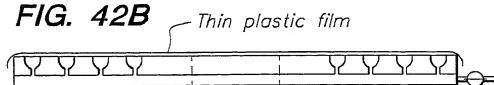


FIG. 42C

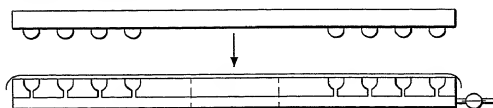


FIG. 42D

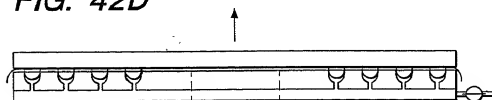


FIG. 42E

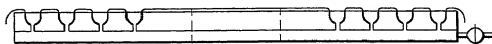


FIG. 43A

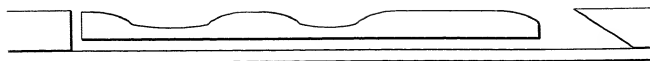


FIG. 43B

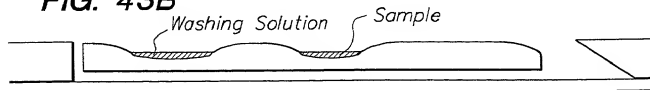


FIG. 43C

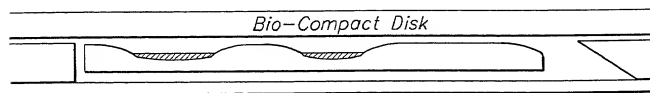


FIG. 43D

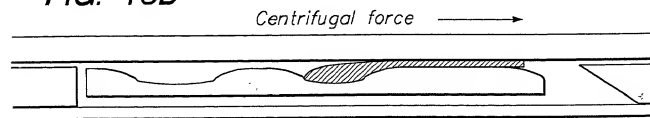
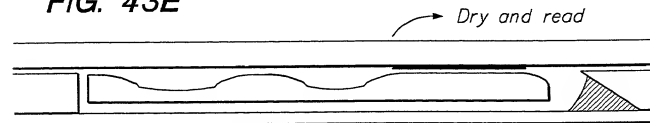


FIG. 43E



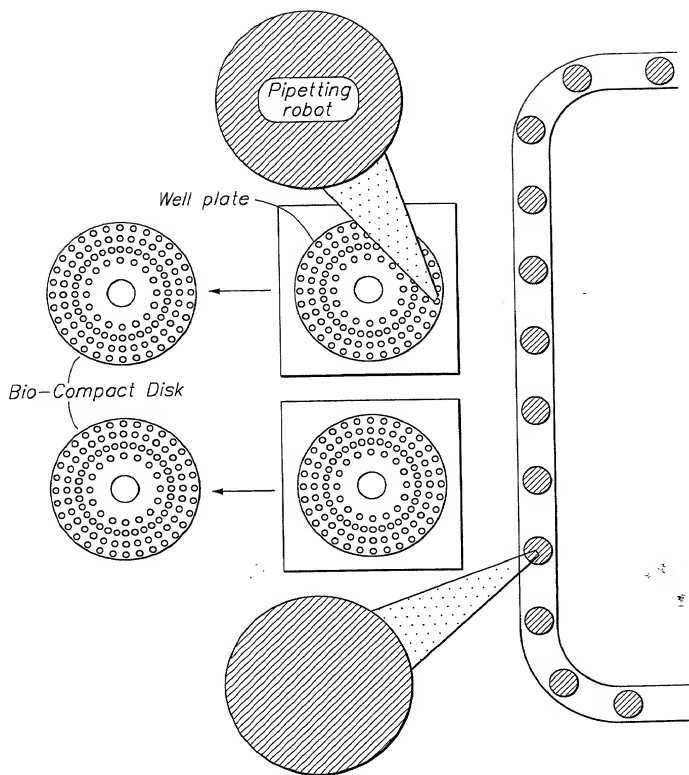


FIG. 44